

What is the Clean Cities Program?

Clean Cities is a government-industry partnership designed to reduce petroleum consumption in the transportation sector by advancing the use of alternative fuel vehicles (AFVs), idle reduction technologies, hybrid electric vehicles, fuel blends, and fuel economy.

Sponsored by the U.S. Department of Energy (DOE), Clean Cities contributes to the environmental, economic, and energy security of the United States by reducing our dependence on imported petroleum. Established in 1993 in response to the Energy Policy Act (EPAct) of 1992, the Program has provided tools and resources for voluntary, community-based programs that deploy alternative fuels across the country. To build on the program's success with alternative fuels and expand its impact, Clean Cities broadened its focus in 2004 to incorporate a wider

range of transportation technologies that can help reduce petroleum consumption.

In more than 80 coalitions (see pages 2-3), government agencies and private companies come together voluntarily under the umbrella of the Clean Cities Program. The Program helps all parties identify mutual interests and meet their own objectives—to improve air quality, develop regional economic opportunities, and reduce our dependence on imported oil.

Which technologies are included?

The expanded portfolio includes alternative fuels, hybrids, idle reduction, fuel blends, and fuel economy.

The expanded portfolio provides more options and flexibility to meet petroleum displacement goals. These options include using truck stop electrification or onboard auxiliary power to reduce fuel use by idling trucks, hybrid electric vehicles, the expanded use of nonpetroleum fuels with conventional fuels, and higher efficiency vehicles

and driving practices, along with the cornerstone of the program, alternative fuels. As defined by EPAct, alternative fuels supported by Clean Cities are natural gas, ethanol, methanol, biodiesel, hydrogen, electricity, liquefied petroleum gas (propane), and P-Series fuel.

How does Clean Cities work?

The Program mobilizes local stakeholders in government and industry.

Clean Cities draws stakeholders from local, state, and federal agencies; public health and transportation departments; commercial fleets; transit agencies; and other government offices; as well as auto manufacturers, car dealers, fuel and equipment suppliers, public utilities, and nonprofit associations. More than 4,800 stakeholders have accepted the invitation to contribute to the Program's mission.

Clean Cities has often been instrumental in cultivating an alternative fuels "community," where people learn about a wide range of options and technologies. In addition, the Program helps create markets for AFVs, hybrids, fuel blends, fuel economy, and idle reduction. A Clean Cities

coalition can provide a forum for members to leverage their resources, develop joint projects, collaborate on public policy issues, and promote petroleum displacement and clean air technologies.

The Program emphasizes niche market applications. Chances of success are greatest where fleets can use multiple petroleum reduction strategies or share infrastructure. Examples include airports, taxi and shuttle services, campuses, military bases, government agencies, public transit agencies, school districts, and freight and package delivery companies. Clean Cities promotes opportunities in these markets, but welcomes all parties and organizations with common goals.



What sort of assistance does Clean Cities offer? **The Program provides technical and financial assistance and information resources.**

Clean Cities provides an extensive Web site, a searchable online documents database, a quarterly newsletter, a toll-free hotline, conferences and workshops, and many other tools and publications. You'll find information about specific vehicles, fuels and their local availability, idle reduction, hybrids, fuel blends, fuel economy; grants and other project funding, and taxes, laws, and current incentives for each state and at the federal level. Our Web site, at www.eere.energy.gov/clean_cities/, includes guidelines for starting a Clean Cities coalition,

plus news, contact information, success stories, and much more.

For coalitions that encounter technical problems, DOE provides technical assistance (www.eere.energy.gov/cleancities/technical_assistance.html) that may be able to help with issues related to station design and siting, interaction with alternative fuel providers, AFV implementation strategies, safety, fueling station performance, and user and operator training.

What has Clean Cities accomplished? **The greatest successes of the Program have been in cultivating cooperation.**

In its first decade, the Program has been integral to many success stories. It has helped spur significant gains in the nation's AFV population and associated fueling infrastructure; established AFV programs at hundreds of airports, transit agencies, military bases, universities, and businesses; and cultivated alternative fuel use by school buses, police cars, postal vehicles, delivery vans, taxis, rental cars, and utility trucks.

Although the quantitative impacts of Clean Cities have been significant (almost 400,000 AFVs have been added historically, for example), the Program has achieved another major objective—to bring diverse parties together, foster cooperation, and create broad public awareness. As it enters its second decade, Clean Cities still has the same basic goal—to reduce our nation's dependence on imported petroleum and effect energy security, economic, and environmental benefits.

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Putting Alternative Fuel Vehicles on the Nation's Streets and Highways



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For the most current list of Clean Cities coordinators, visit the Web site at www.eere.energy.gov/cleancities/contacts.html, or contact the Clean Cities Hotline (800-224-8437) at ccities@nrel.gov.

What is Clean Cites International?

Clean Cities International (www.eere.energy.gov/cleancities/international/) seeks to expand the successful U.S. program to other countries. International markets help sustain the domestic alternative fuels industry, and all nations can benefit from cleaning their air, producing their fuels domestically, and enhancing local economic activity. Clean Cities International works with governments, organizations, and individuals to establish the foundations for viable alternative fuels markets to ensure the safety and performance of AFVs. Bangladesh, Chile, India, Mexico, Peru, and the Philippines participate in this program. Clean Cities International also has a partnership with the European Commission and its CIVITAS Program, an initiative similar to Clean Cities.

Where can I find more information?

Call the Clean Cities Hotline at 800-224-8437 or visit the Clean Cities Web site at www.eere.energy.gov/cleancities/. Some of its features are:

- *Clean Cities News* (formerly *Alternative Fuel News*) is a free quarterly newsletter with news and features about Clean Cities, AFVs, alternative fuels, and other Clean Cities Program technologies: www.eere.energy.gov/cleancities/ccn/.
- The Fleet Buyer's Guide at www.eere.energy.gov/cleancities/vbg/ features a step-by-step process to help fleet managers and individuals make informed AFV purchase decisions.
- The Alternative Fuels Data Center at www.eere.energy.gov/cleancities/afdc/ has a searchable database with more than 3,000 relevant documents and publications.

For more information, contact the Clean Cities Hotline at

Phone: 800-224-8437
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E-mail: ccities@nrel.gov

or write to:

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Clean Cities Headquarters and Regional Contacts

All DOE regional offices are ready to help with alternative fuels market development questions. Assistance is also available from local Clean Cities coordinators (see pages 2-3). The list is regularly updated at www.eere.energy.gov/cleancities/contacts.html.

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